

Applicant: Robert W. McClane, et al.

Serial No.: 60/040,883

Att'y Docket No. 6300.103

Filing Date: January 7, 2002

Group: 2633

For: MAR 07 2002 METHOD AND APPARATUS FOR RAMAN IMAGING OF MACULAR PIGMENTS



RECEIVED

INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANT

MAR 12 2002

U.S. Patent Documents

Technology Center 2600

Examiner Initial*	Patent Number	Issue Date	Name	Class	Sub Class	Filing Date	
B.R.	A1	4,144,464	03/13/79	Loree, et al	307	88.3	01/25/78
B.R.	A2	4,318,057	03/02/82	Buchwald, et al	372	70	06/04/79
B.R.	A3	4,500,995	02/19/85	White	372	3	05/02/83
B.R.	A4	4,758,081	7/19/88	Barnes	351	221	07/18/85
B.R.	A5	4,807,240	02/21/89	Goldstone	372	69	01/11/88
B.R.	A6	4,832,483	05/23/89	Verma	356	39	09/03/87
B.R.	A7	4,852,579	08/01/89	Gilstad, et al	128	665	04/20/87
B.R.	A8	4,858,238	08/15/89	Cardimona	372	3	01/14/88
B.R.	A9	5,034,228	07/23/91	Maybeck, et al	424	401	11/01/89
B.R.	A10	5,124,313	06/23/92	Schaeffer, et al	514	2	06/02/89
B.R.	A11	5,243,983	09/14/93	Tarr, et al	128	633	12/14/90
B.R.	A12	5,275,168	01/04/94	Reintjes, et al	128	665	03/31/92
B.R.	A13	5,290,605	03/01/94	Shapira	424	439	10/16/92
B.R.	A14	5,303,026	04/12/94	Strobl, et al	356	318	02/12/92
B.R.	A15	5,304,170	04/19/94	Green	606	9	03/12/93
B.R.	A16	5,346,488	09/13/94	Prince, et al	606	7	03/02/92
B.R.	A17	5,418,797	05/23/95	Bashkansky, et al	372	3	01/15/93
B.R.	A18	5,421,337	06/06/95	Richards-Kortum, et al	128	665	03/29/94
B.R.	A19	5,432,610	07/11/95	King, et al	356	432	04/15/94
B.R.	A20	5,451,785	09/19/95	Faris	250	330	03/18/94
B.R.	A21	5,452,723	09/26/95	Wu, et al	128	664	07/24/92
B.R.	A22	5,553,616	09/10/96	Ham, et al	128	633	11/30/93

Examiner:

Bansakhi Roy

Date Considered:

12-17-04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not in conformance. Include copy of this form with next communication to applicant.

Form PTO-1449

Applicant:

Serial No.:

Filing Date:

For:

Robert W. McClane, et al.

10/040,883

January 7, 2002

METHOD AND APPARATUS FOR RAMAN IMAGING OF MACULAR PIGMENTS



Sheet 2 of 3

Att'y Docket No. 6300.103

Group: 2633

RECEIVED

MAR 12 2002

Examiner Initial*	Document Number	Publ Date	Country or Patent Office	Sub Class	Class	Trans-lation	
B.R.	A23	5,556,612	09/17/96	Anderson, et al	436	525	06/30/94
B.R.	A24	5,567,628	10/22/96	Tarcha, et al	128	665	09/30/94
B.R.	A25	5,579,773	12/03/96	Vo-Dinh, et al	128	664	03/28/94
B.R.	A26	5,590,660	01/07/97	MacAulay, et al	426	73	06/07/95
B.R.	A27	5,643,623	07/01/97	Schmitz, et al	128	633	07/10/95
B.R.	A28	5,657,754	08/19/97	Rosenowig	128	664	03/14/95
B.R.	A29	5,697,373	12/16/97	Richards-Kortum, et al	422	101	06/07/95
B.R.	A30	5,733,507	03/31/98	Zakim	600	473	03/13/97
B.R.	A31	5,873,831	02/23/99	Bernstein, et al	600	477	06/18/99
B.R.	A32	6,205,354	03/20/01	Gellermann, et al			

Foreign Patent Documents

Examiner Initial*	Document Number	Publ Date	Country or Patent Office	Sub Class	Class	Trans-lation
B.R.	A33	WO 92/10131	06/25/92	PCT		N/A
B.R.	A34	WO 92/15008	09/03/92	PCT		N/A
B.R.	A35	EP 0 722 692	07/24/96	EP		N/A

Other Documents

(including author (if listed), title, relevant pages, date of publication including at least month and year).

Examiner

Initial*

B.R.	A36	Brody, J.E., "Health Factor in Vegetables Still Elusive," The New York Times, Section C, Page 1, February 21, 1995
B.R.	A37	Bone, R.A., Landrum, J.T., and Cains, A., "Optical Density Spectra of the Macular Pigment In Vivo and In Vitro," Vision Res., Vol 32, No. 1, pages 105-110, 1992.
B.R.	A38	Handelman, G.J., Snodderly, D.M., Krinsky, N.I., Russett, M.D., and Adler, A.J., "Biological Control of Primate Macular Pigment," Inv. Ophthalmol. Vis. Sci., Vol 32, No. 2, pages 257-267, February, 1991.
B.R.	A39	Hammond, B.R., Fuld, K., and Curran-Celentano, J., "Macular Pigment Density in Monozygotic Twins," Invest. Ophthalmol. Vis. Sci., Vol 36, No. 12, pages 2531-2541, November, 1995.
B.R.	A40	Seddon, J.M., Ajani, U.A., Sperduto, R.D., Hiller, R., Blair, N., Burton, T.C., Farber, M.D., Gragoudas, E.S.,

Examiner:

Date Considered:

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not conformed to. Include copy of this form with next communication to applicant.

Applicant:

Robert W. McClane, et al.

Serial No.:

10/040,883

Filing Date:

January 7, 2002

For:

METHOD AND APPARATUS FOR RAMAN IMAGING OF MACULAR PIGMENTS



Att'y Docket No. 6300.103

Group: 2633

Haller, Jr., Miller, D.T., Yannuzzi, L.A., and Willet, W., "Dietary Carotenoids, Vitamins A, C and E, and Advanced Age-Related Macular Degeneration," J. Am. Med. Assoc., Vol 272, No. 18, pages 1413-1420, November 9, 1994.

B.R. A41

Schalch, Wolfgang, "Carotenoids in the Retina - A Review of Their Possible Role in Preventing or Limiting Damage Caused by Light and Oxygen," Free Radicals and Aging, Basel, Switzerland: Birkhauser Verlag, pages 280-298, 1992.

B.R. A42

Tom C. Bakker Schut, Gerwin J. Puppels, Yvonne M. Kraan, Jan Greve, Louis L.J. Van Der Maas, and Carl G. Figdor, "Intracellular Carotenoid Levels Measured by Raman Microspectroscopy: Comparison of Lymphocytes from Lung Cancer Patients and Healthy Individuals," Int. J. Cancer (Pred. Oncol): 74, 20-25 (1997)

B.R. A43

Monika Gniadecka, Hans C. Wulf, Ole F. Nielsen, Daniel H. Christensen, and Jana Herczegova, "Distinctive Molecular Abnormalities in Benign and Malignant Skin Lesions: Studies by Raman Spectroscopy," Photochemistry and Photobiology, 1997, 66(4): 418-423

B.R. A44

Christopher J. Frank, Douglas C.B. Redd, Ted S. Gansler, and Richard L. McCreery, "Characterization of Human Breast Biopsy Specimens with Near-IR Raman Spectroscopy," Anal. Chem. 1994, 66, 319-326

B.R. A45

Berendsht, Tos T. J. M., et al., "Influence of Lutein Supplementation on Macular Pigment, Assessed with Two Objective Techniques," IOVS, October 2000, Vol. 41, No. 11, pages 3322-3326

B.R. A46

Elsner, Ann E., et al., "Foveal Cone Photopigment Distribution: Small Alterations Associated with Macular Pigment Distribution," IOVS, November 1998, Vol. 39, No. 12, pages 2394-2404

References Cited by Applicants

While the filing of Information Disclosure Statements is voluntary, the procedure is governed by the guidelines of Section 609 of the Manual of Patent Examining Procedure and 37 C.F.R. §§ 1.97 and 1.98. To be considered a proper Information Disclosure Statement, Form PTO-1449 shall be accompanied by a copy of each listed patent or publication or other item of information and a translation of the pertinent portions of foreign documents (if an existing translation is readily available to the applicant), an explanation of relevance of each reference not in the English language, and should be submitted in a timely manner as set out in MPEP Sec. 609.

Examiners will consider all citations submitted in conformance with 37 C.F.R. § 1.98 and MPEP Sec. 609 and place their initials adjacent the citations in the spaces provided on this form. Examiners will also initial citation not in conformance with the guidelines which may have been considered. A reference may be considered by the Examiner for any reason whether or not the citation is in full conformance with the guidelines. A line will be drawn through a citation if it is not in conformance with the guidelines AND has not been considered. A copy of the submitted form, as reviewed by the Examiner, will be returned to the applicant with the next communication. The original of the form will be entered into the application file.

Each citation initialed by the Examiner will be printed on the issued patent in the same manner as reference cited by the Examiner on Form PTO-892.

The reference designations "A1," "A2," etc. (referring to Applicant's reference 1, Applicant's reference 2 etc.) will be used by the Examiner in the same manner as Examiner's reference designations "A," "B," "C," etc. on Office Action Form PTO-1142.

G:\DATA\WFD\DCS\7UBS\6300-103.149

Examiner:

Borisakhi Roy

Date Considered:

12-17-04

*EXAMINER: Initial if reference considered, whether or not citation with MPEP 609; draw line through citation if not in conformance and include copy of this form with next communication to applicant.